

Amendments to the Specification

Please substitute the paragraph beginning on page 2, line 21 and ending on page 3, line 2 with the following paragraph:

In an attempt to overcome the above problems of the prior art, the Applicant has disclosed, "Robot Cleaner System Having External Recharging Apparatus and Docking Method for Docking the Robot Cleaner with External Recharging Apparatus" in the ~~Korean Patent Application No. 10-2002-0066742 (KR10-2002-0066742)~~ U.S. Patent No. 6,748,297, filed October 31, 2002, which enables the robot cleaner to determine the exact location of the external recharging apparatus and dock with the external recharging apparatus.

Please substitute the paragraph on page 3, lines 3-8 with the following paragraph:

According to ~~KR10-2002-0066742~~ U.S. Patent No. 6,748,297, the robot cleaner determines the location of the external recharging apparatus using an upper camera and a location recognition mark on a ceiling. Docking with the external recharging apparatus is always accurately made because the process is controlled using a signal from a bumper and a contact signal between the recharging terminal and the power terminal.

Please substitute the paragraph on page 3, lines 9-14 with the following paragraph:

However, the robot cleaner system of ~~KR10-2002-0066742~~ U.S. Patent No. 6,748,297 has a limitation in the installation space of the external recharging apparatus. That is, the external recharging apparatus is only formed within the area that is recognizable by the upper camera of the robot cleaner. Accordingly, in the area which is larger than the detectable range by the upper camera, the robot cleaner system can not be efficiently used.